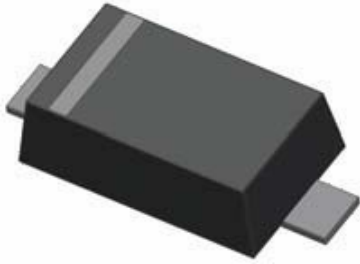




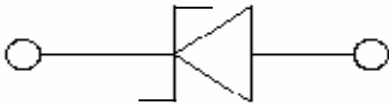
BZX584C2V4 THRU BZX584C75V

Zener Diode



Features

- High reliability
- Very sharp reverse characteristic
- Low reverse current level
- Zener Voltage 2.4V~47V



Mechanical Data

Package: SOD523

Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102

Polarity: Cathode line denotes the cathode end

Maximum Ratings (T_a=25 Unless otherwise specified Å

PARAMETER	SYMBOL	UNIT	VALUE
Power Dissipation at T _a =25	P _D	mW	200
Storage Temperature Range	T _{stg}	°C	-55~+150
Maximum Junction Temperature	T _J	°C	-55~+150
Maximum Regulator Current	I _{ZM}	mA	P _D /V _Z
Forward Voltage(@10mA)	V _F	V	1.0
Thermal Resistance Junction to Ambient Air*	R _{JA}	°C/W	625

Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
BZX584C2V4 THRU BZX584C75V	F2	Approximate 0.002	55	M		



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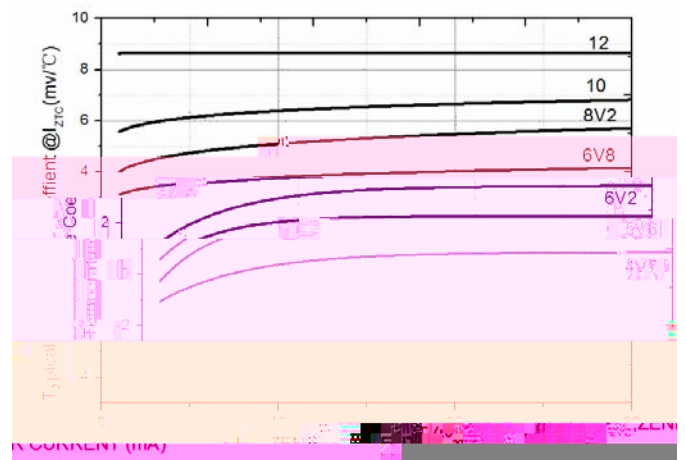
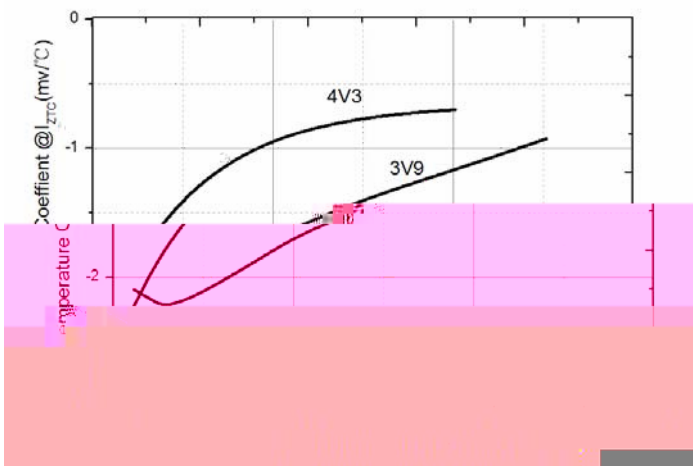
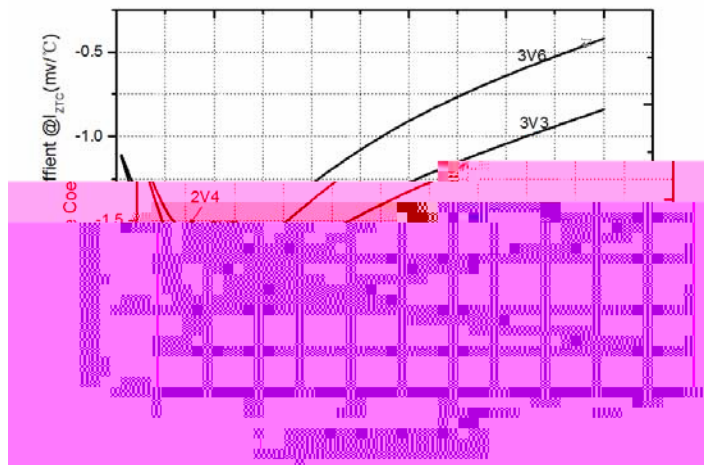
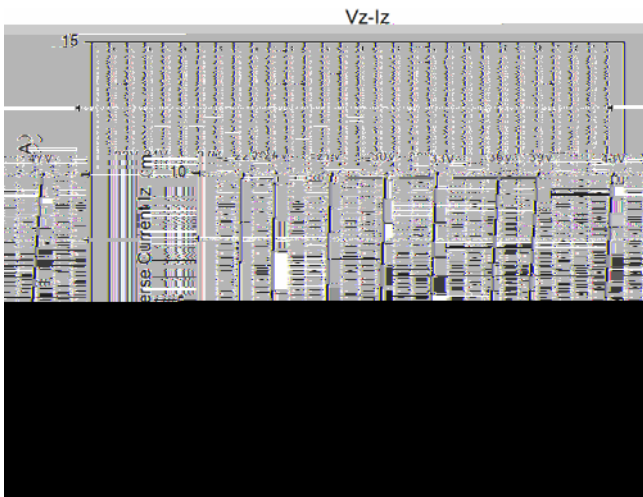
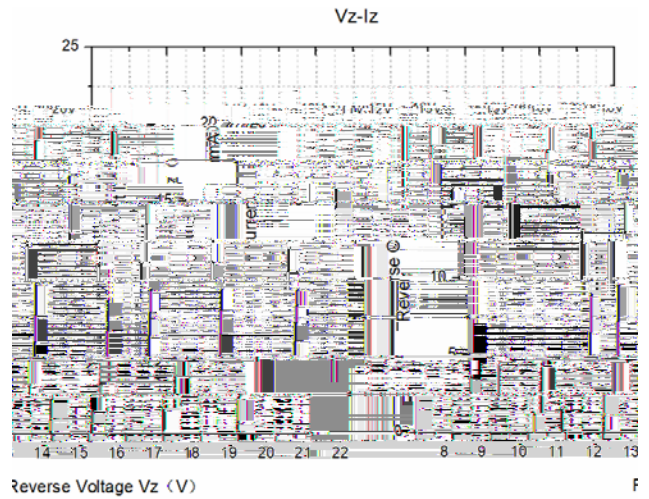
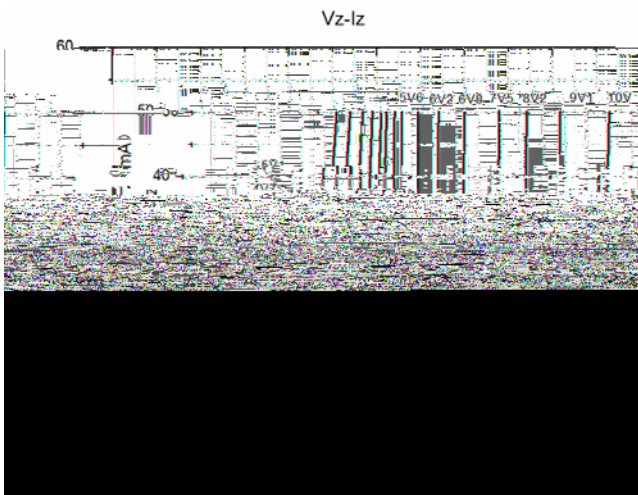
Electrical Characteristics $T_a=25^\circ\text{C}$ Unless otherwise specified A

Type Number	Device Marking	V_z at I_{zT} (V)			Z_{zt} (Ω)		Z_{zk} (Ω)		$I_R(\mu\text{A})@V_R$	
		min.	typ.	max.	$I_{zT}(\text{mA})$	max.	$I_{zk}(\text{mA})$	max.	max	V_R



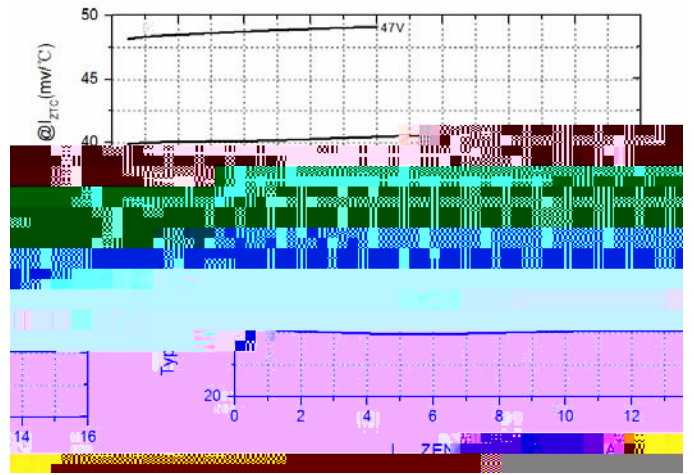
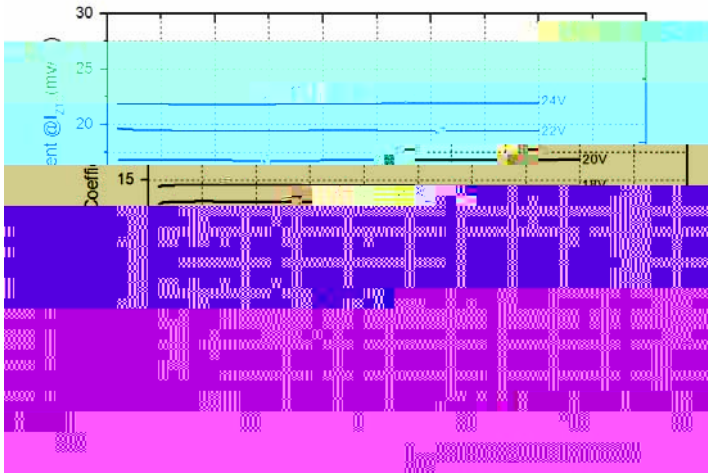
BZX584C2V4 THRU BZX584C75V

Characteristics (Typical)

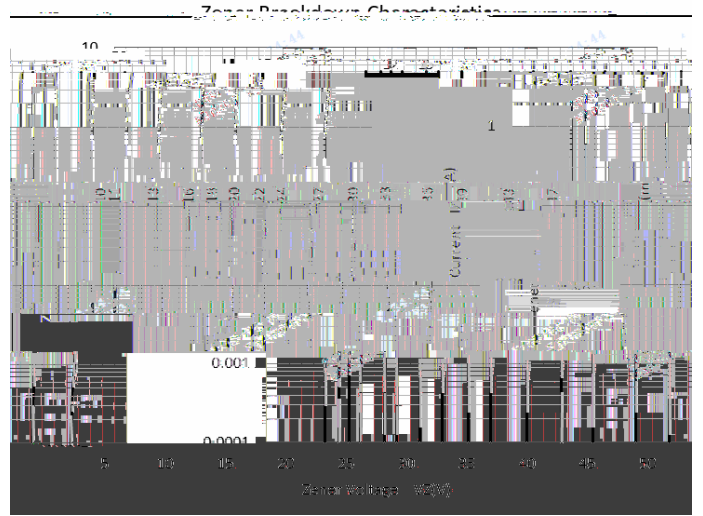
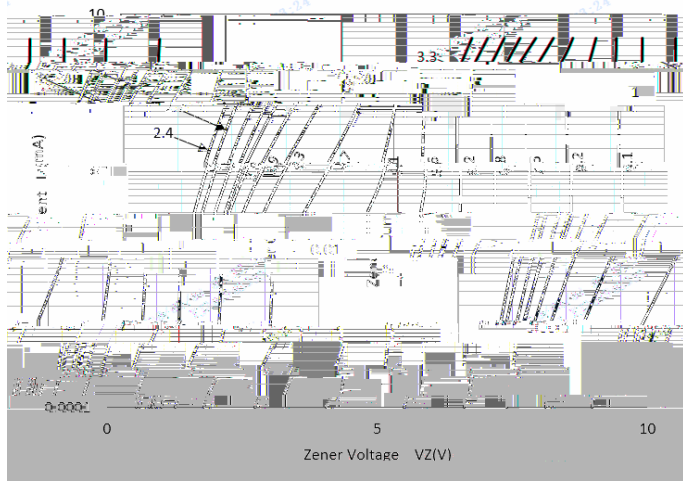




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Zener Breakdown Characteristics

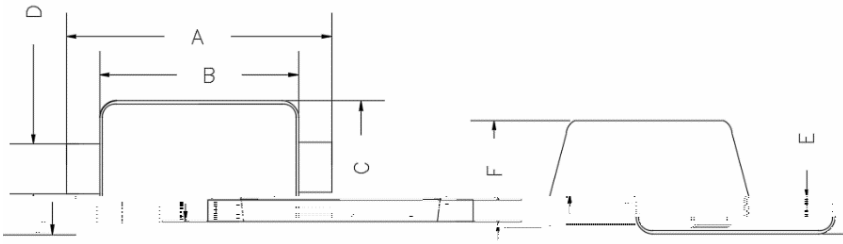




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Outline Dimensions

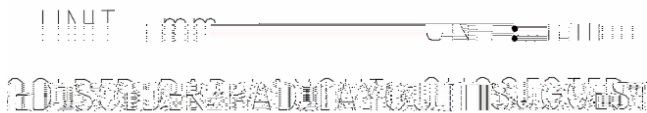
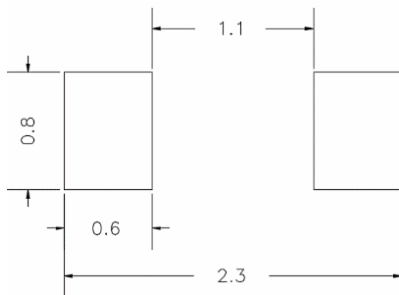
SOD-523



VIEW: SIDE VIEW TOP VIEW

DIMENSIONS				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	0.059	0.067	1.500	1.700
B	0.043	0.051	1.100	1.300
C	0.700	0.900	0.028	0.035
D	0.250	0.350	0.010	0.014
E	0.050	0.200	0.002	0.008
F	0.500	0.700	0.020	0.028

Soldering Footprint





BZX584C2V4 THRU BZX584C75V

Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment Y e d u f Â i c